

FIG. 1

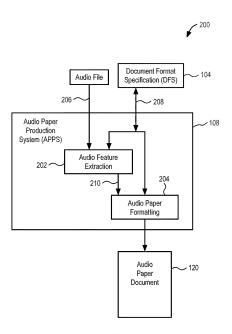


FIG. 2

## APPS Processing Steps

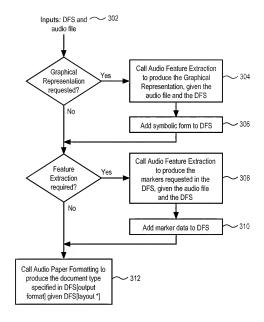


FIG. 3

## Audio Paper Formatting module

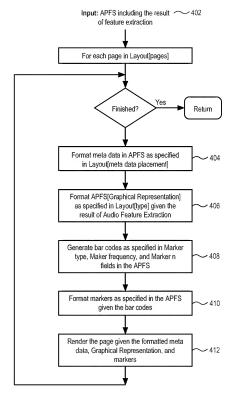


FIG. 4

## Bar code generation

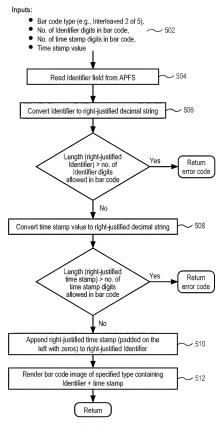
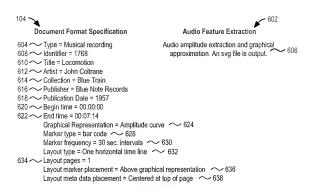


FIG. 5



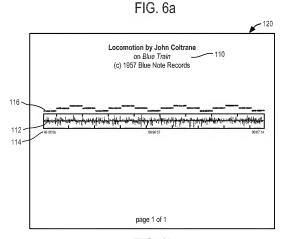
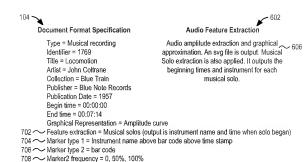


FIG. 6b



Layout marker 1 placement = Above graphical representation ~ 710

Layout type = One horizontal time line

Layout pages = 1

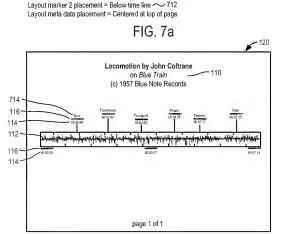


FIG. 7b

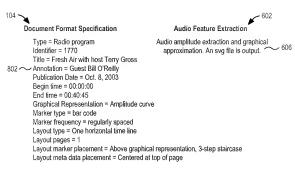


FIG. 8a

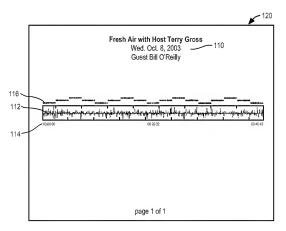
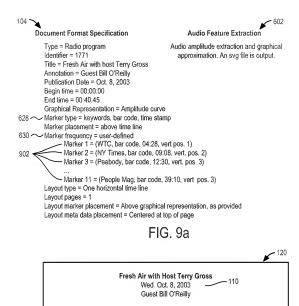


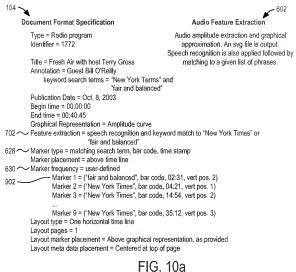
FIG. 8b



714-116-114-112-

FIG. 9b

page 1 of 1



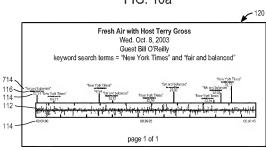


FIG. 10b

— 602

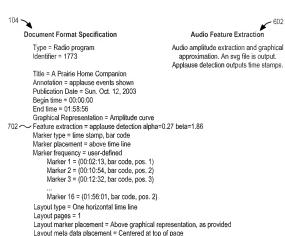


FIG. 11a

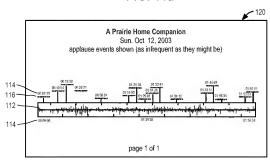


FIG 11b

602

Audio Feature Extraction

Audio amplitude extraction and graphical

approximation. An svg file is output.

Music detection outputs time stamps.



104 👡

Type = Radio program Identifier = 1774

Title = A Prairie Home Companion

Annotation = music events shown

Publication Date = Sun. Oct. 12, 2003

Begin time = 00:00:00

End time = 01:58:56

Graphical Representation = Amplitude curve

702 Feature extraction = music detection delta = 12.93

Marker type = time stamp, bar code Marker placement = right of time line

Marker frequency = user-defined

Marker 1 = (00:21:54, bar code, horiz, pos. 1)

Marker 2 = (01:10:53, bar code, horiz, pos. 1)

Marker 3 = (01:10:55, par code, horiz, pos. 1)

Marker 4 = (01:41:41, bar code, horiz, pos. 1)

632 - Layout type = Two vertical time lines, split in half

Layout pages = 1

Layout marker placement = To right of graphical representation, as provided

Layout meta data placement = Centered at top of page

## FIG. 12a

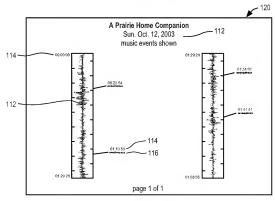


FIG. 12b